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LAND RECLAMATION PROGRAM

ARGONNE NATIONAL LABORATORY

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Volume 1

Eastern Coal Province

by

Nancy E. Weiss, Andrew A. Sobek, and Donald L. Streib

November 1977

Prepared for the U.S. Department of Energy as part of the Argonne Land Reclamation Program, a joint effort of the Energy and Environmental Systems Division and Environmental Impact Studies Division.

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PREFACE

This study was performed as part of the Argonne National Laboratory Land Reclamation Program, which is sponsored by the U.S. Department of Energy, Assistant Secretary for Environment. This program is a joint effort of the Energy and Environmental Systems (EES) and Environmental Impact Studies (EIS) Divisions.

This study was directed by Andrew A. Sobek and researched by Nancy E. Weiss, both of EES. Dr. Donald L. Streib, formerly with EES, also made significant contributions to this work.

Ralph P. Carter, Director
Land Reclamation Program
Energy and Environmental Systems Division

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ABSTRACT

This bibliography has been compiled for use by researchers, students, and other groups who need a reference source of published literature related to surface coal mining and reclamation in the Eastern Coal Province. This bibliography contains more than 1300 references including government reports, journal articles, symposium proceedings, industrial reports, workshop proceedings, theses, and bibliographies. A simple format was used to categorize citations.

OVERVIEW

PURPOSE AND SCOPE

The number of articles and reports which has been written about surface coal mining and reclamation is large and is increasing rapidly. Although many bibliographies have been published (see Bibliographies, p. 124), Argonne has perceived a need for an easy-to-use reference source which includes all types of articles pertaining to surface coal mining and reclamation from all types of publications. Therefore, as part of the Land Reclamation Program (LRP), a series of bibliographies has been planned.

This volume references documents related to surface coal mining and reclamation in the Eastern Coal Province. Additional volumes for the Interior Coal Province and the Coal Provinces west of the 100° meridian have been initiated. In addition, after all volumes are published they will be updated periodically to provide a complete reference set on surface coal mining and reclamation.

Articles cited in this volume are organized into 21 major categories. Citations that could be listed under more than one category are cross-indexed. To eliminate referencing to previous sections, the complete citation is repeated whenever it is cross-indexed. An author index also is provided.

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The Land Reclamation Program is addressing the need for coordinated applied and basic research into the physical and ecological problems of land reclamation, and advancing the development of cost-effective techniques for reclaiming land mined for coal. This program is conducting integrated research and development projects focused on near- and long-term reclamation problems in all major U.S. coal resource regions, and is evaluating and disseminating the results of related studies conducted at other research institutions. These activities involve close cooperation with the mining industry. Regional and site-specific reclamation problems are being addressed at nine research demonstration sites throughout the country, and through laboratory and greenhouse experiments.

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